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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> ( Not for submission under 37 CFR 1.99)	Application Number		10809635	
	Filing Date		2004-03-24	
	First Named Inventor	Jun FENG		
	Art Unit	1624		
	Examiner Name	Kahsay Habte		
Attorney Docket Number		DPP4-5004-U		

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<i>Applicant</i> KN	1	EP 900568 A2	EP		1999 <del>2004</del> -03-10	Chenard et al.		<input type="checkbox"/>

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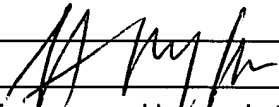
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STATEMENT BY APPLICANT**  
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Application Number	10809635
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First Named Inventor	Jun FENG
Art Unit	1624
Examiner Name	Kahsay Habte
Attorney Docket Number	DPP4-5004-U

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✓	4	Kozhevnikov et al. Tr. Perm. Sel.-Khoz. Inst. (1971), No. 79, 66-72 From ref. Zh., Khim. 1972, Abstr. No. 9Zh404 Journal (English Abstract attached).	<input type="checkbox"/>
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KN	1	WO 01/23364 A1	WO		2001-04-05	MERCK PATENT GMBH		<input type="checkbox"/>
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KN	1	STN Printout, Barnickel et al. Abstract of WO 01/23364 A1. (2001)	<input type="checkbox"/>
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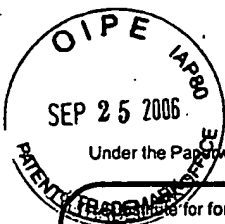
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		Application Number	10/809,635
		Filing Date	March 24, 2004
		First Named Inventor	Jun FENG
		Group Art Unit	1624
Sheet 1 of 2	Examiner Name	Kahsay Habte	
		Attorney Docket Number	DPP4-5004-U

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KN	AA	US 3,544,570	12-1-1970	Helmut Timmler et al.	

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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
KN	AB	GB 1464248 A	02-09-1977	Imperial Chem Ind Ltd		
	AC	DE 2801289 A1	05-03-1979	Hoechst AG		
	AD	WO 02/09716 A	02-07-2002	The Procter & Gamble Company		
	AE	WO 03/099286	12-04-2003	Bristol-Myers Squibb Co.		
	AF	DE 10256264 A	08-24-2004	Boehringer Ingelheim Pharma GmbH & Co. Kg		

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KN	AG	Dumas, Donald J. "Total synthesis of peramine" Journal of Organic Chemistry, American Chemical Society, Easton, US, Vol. 5, 1988, pages 4650-4653, XP002087391.	
	AH	Database Biosis [Online] Biosciences Information Service, Philadelphia, PA, US; 1991, Bahaji E-H et al.: "Studies on Immunostimulating Derivatives Synthesis of Some Pyrrolo-1 2-C-Pyrimidines" XP002392081. Database accession no. PREV199192140000 abstract.	
	AI	Database Beilstein [online] Beilstein Crossfire Institut Zur Forderung Der Chemischen Wissenschaften, DE; 1991, XP002392082. Database Accession No. BRN 5340228 abstract.	
	AJ	Database Beilstein [online] Beilstein Crossfire Institut Zur Foerderung Der Chemischen Wissenschaften, DE; Citation No. 5593878 1991, XP00239083.	
	AK	Database CA [online] Chemical Abstract service, Columbus, Ohio, US; Reg No 102482-94-0 Liu, Gang: "Fungal endophyte-epichloe and its secondary metabolites" XP002392084. Database Accession No. 2004:340837 abstract.	

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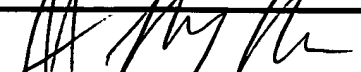
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		Filing Date	March 24, 2004
		First Named Inventor	Jun FENG
		Group Art Unit	1624
		Examiner Name	Kahsay Habte
Sheet 2 of 2	Attorney Docket Number	DPP4-5004-U	

✓	AL	Database Beilstein [online] Beilstein Crossfire Institut Zur Foerderung Der Chemischen Wissenschaften, DE; 1924, XP002392085. Database Accession No. BRN 3799088 abstract.	
	AM	Database Beilstein [online] Beilstein Crossfire Institut Zur Foerderung Der Chemischen Wissenschaften, DE; 1989 XP002392086. Database Accession No. BRN 5951213 abstract.	
	AN	Database Beilstein [online] Beilstein Crossfire Institut Zur Foerderung Der Chemischen Wissenschaften, DE; 1960 XP002392087. Database Accession No. BRN 609897 abstract.	
	AO	Database Beilstein [online] Beilstein Crossfire Institut Zur Foerderung Der Chemischen Wissenschaften, DE; 1993 XP002392088. Database Accession No. BRN 6139401 abstract.	
	AP	Database Beilstein [online] Beilstein Crossfire Institut Zur Foerderung Der Chemischen Wissenschaften DE; 1974 XP002392089. Database Accession No. BRN 514343 abstract.	
	AQ	Akahoshi, F. et al.: "Synthesis and pharmacological activity of triazolo[1,5-a]triazine derivatives inhibiting eosinophilia." Journal of Medicinal Chemistry, Vol. 41, no. 16, (1998-07-30), pages 2985-2993, XP002390903	
	AR	Wang, F. et al.: "A novel Synthesis of Aryl[1,2-a]pyrazine Derivatives" Molecules, Molecular Diversity Preservation International, BASEL, CH, Vol. 9, May 2004 (2004-05), pages 574-582, XP002390904.	
	AS	Kotra, L. P. et al.: "4-Azido-2-pyrimidone Nucleosides and Related Chemistry" Journal of Organic Chemistry, American Chemical Society, Easton, US, Vol. 62, 1997, pages 7267-7271, XP002390905.	
	AT	Tam, S. Y-K, et al.: "Nucleosides 112. Synthesis of Some New Pyrazolo-1,5-A-1,3,5-Triazines and Their C Nucleosides" Journal of Organic Chemistry, Vol. 44, No. 25, 1979, pages 4547-4553, XP002390906.	
	AU	Molina, P. et al.: "Iminophosphorane-mediated annulation of 1,3,5-triazine to benzimidazole: Synthesis of 1,3,5-triazino[1,2-a]benzimidazoles" Synthesis 1992 Germany, No. 3, 1992- pages 297-302, XP002390907.	
	AV	Kobe, J. et al.: "The synthesis of s-triazolo[4,3-a]1,3,5-triazines" Tetrahedron, Elsevier Science Publishers, Amsterdam, NL, Vol. 26, July 1970 (1970-07), pages 3357-3368, XP002390908.	
	AW	Buysens, K. J. et al.: "Synthesis of New Pyrrolo[3,4-b]- and [3,4-c]pyridin(on)es and related 1,7-Naphthyridinones and 2,7-naphthyridines via intramolecular diels-alder reactions of 2(1H)-pyrazinones" Tetrahedron, Elsevier Science Publishers, Amsterdam, NL, Vol. 52, no. 27, (1996-07-01), pages 9161-9178, XP004104003.	
	AX	Abdel-Rahman, R. M.: "Synthesis of some new fluorine bearing trisubstituted 3-thioxo-1, 2, 4-triazin-5-ones as potential anticancer agents: Farmaco, Edizione Scientifica, Societa Chimica Italiana, Pavia, IT, Vol. 47, No. 3 (1992-03), pages 319-326, XP008000322.	
✓	AY	Borell, J. I. et al.: "Synthesis, structure and cytotoxicity evaluation of palladium(II) complexes of 4-amino-3-hydrazino-1,2,4-triazin-5(4H)-ones and 4-amino-3-(n-methylhydrazino)-1,2,4-triazin-5(4H)-ones" Anales De Quimica, Vol. 91, no. 3/4, 1995, pages 243-252, XP008000323.	

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	Examiner Name	Kahsay Habte
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Sheet 1 of 10

**Complete if Known**

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First Named Inventor	Jun Feng
Group Art Unit	4645 1624
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**U.S. PATENT DOCUMENTS**

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Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date/ Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number - Kind Code* (if known)				
KH	AA	US1974/3823135	07-09-1974	Pilgram et al.		
	AB	US1996/5612549	04-30-1998	Chen et al.		
	AC	US1996/5580979	12-03-1998	Bachovchin		
	AD	US1997/5614482	03-25-1997	Habener		
	AE	US2000/6156739	12-5-2000	Griffin et al.		
	AF	US2000/6166063	12-26-2000	Villhauer		
	AG	US2001/6258597-B1	07-10-2001	Bachovchin		
	AH	US2001/0020006-A1	09-06-2001	Demuth et al.		
	AI	US2001/6303661-B1	10-16-2001	Demuth et al.		
	AJ	US2001/6319893-B1	11-20-2001	Demuth et al.		
	AK	US2001/0051846-A1	12-13-2001	Demuth et al.		
	AL	US2002/0049153-A1	04-25-2002	Bridon et al.		
	AM	US2002/0049164-A1	04-25-2002	Demuth et al.		
	AN	US2002/6380398-B2	04-30-2002	Kanstrup et al.		
	AO	US2002/0082427-A1	06-27-2002	Demuth et al.		
	AP	US2002/6448045-B1	09-10-2002	Levine et al.		
	AQ	US2002/0198242-A1	12-26-2002	Demuth et al.		
	AR	US2002/0198380-A1	12-26-2002	Belzer et al.		
	AS	US2002/6500804-B2	12-31-2002	Demuth et al.		
	AT	US2003/0008925-A1	01-09-2003	Demuth et al.		
	AU	US2003/6548481-B1	04-15-2003	Demuth et al.		
	AV	US2003/0092630-A2	05-15-2003	Demuth et al.		
	AW	US2003/0119750-A1	06-26-2003	Demuth et al.		
	AX	US2003/0130199-A1	07-10-2003	von Hoersten et al.		
	AY	US2003/0134802-A1	07-17-2003	Demuth et al.		
	AZ	US2003/0135023-A1	07-17-2003	Demuth et al.		
	BA	US2003/0148961-A1	08-07-2003	Heiser et al.		
	BB	US2003/0153509-A1	08-14-2003	Bachovchin et al.		
	BC	US2003/0162820-A1	08-28-2003	Demuth et al.		
	BD	US2003/0166578-A1	09-04-2003	Arch et al.		
	BE	US2003/6620910-B1	09-16-2003	Celas et al.		
	BF	US2003/0176357-A1	09-18-2003	Pospisilik et al.		
	BG	US2003/0189451-A1	10-23-2003	Mogensen et al.		
	BH	US2003/0199672-A1	10-23-2003	Knudsen et al.		

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SignatureDate  
Considered

2/27/2007

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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449A/PTO		<b>Complete If Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/809,635
		Filing Date	March 24, 2004
		First Named Inventor	Jun Feng
		Group Art Unit	1646
		Examiner Name	Not Yet Assigned
Sheet 2 of 10	Attorney Docket Number	SYR-DPP-IV-5004-U	

KN	BI	US2003/0236272-A1	12-25-2003	Richard David Carr	
	BJ	US2004/6703238-B2	03-09-2004	Bachovchin	
	BK	US2004/0054171-A1	03-18-2004	Jensen et al.	
	BL	US2004/0056878-A1	03-25-2004	Hoffmann et al.	
	BM	US2004/0132732-A1	07-08-2004	Han et al.	
	BN	US2004/0167191-A1	08-26-2004	Demuth et al.	
	BO	US2004/0171555-A1	09-02-2004	Demuth et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
KN	BP	FR 2.162.106 (English Abstract-1973)	11-30-1972	Amschler et al.		
	BQ	WO 89/10701	11-16-1989	BASF		
	BR	EP 0378255-A2	07-18-1990	Janssen Pharmaceutica		
	BS	GB 2230527-A	10-24-1990	Imperial Chemical Industries Plc		
	BT	WO 91/12001	08-22-1991	Merck & Co., Inc.		
	BU	WO 93/21162	01-28-1993	Nissan Chemical Industries, Ltd.		
	BV	WO 93/08259 (A2)	04-29-1993	New England Medical Center Hospitals, Inc.		
	BW	WO 93/08259 (A3)	04-29-1993	New England Medical Center Hospitals, Inc.		
	BX	EP 0547442-A1	08-23-1993	E.R. Squibb & Sons, Inc.		
	BY	WO 94/03055	02-17-1994	U.S. Government, Secty. HHS		
	BZ	EP 0587377-A2	03-16-1994	Eli Lilly and Company		
	CA	WO 95/35031	12-28-1995	La Trobe University		
	CB	WO 96/32384	10-17-1996	Taiho Pharmaceutical Co., Ltd.		
	CC	WO 96/38550	12-05-1996	Dana-Farber Cancer Institute, Inc.		
	CD	WO 97/40832	11-06-1997	Hans-Knoll-Institut Fur Naturstoff		
	CE	JP 8295977	11-18-1997	Terumo Corp.		
	CF	WO 98/00439	01-08-1998	Trustees of Tufts College		
	CG	WO 98/24780	06-11-1998	Amgen Inc.		
	CH	WO 99/16864	04-08-1999	Point Therapeutics, Inc.		
	CI	WO 99/38501	08-05-1999	Trustees of Tufts University		

Examiner Signature		Date Considered	2/27/2007
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 3 of 10

**Complete if Known**

Application Number	10/809,635
Filing Date	March 24, 2004
First Named Inventor	Jun Feng
Group Art Unit	1646
Examiner Name	Not Yet Assigned
Attorney Docket Number	SYR-DPP-IV-5004-U

KN	CJ	WO 89/50249	10-07-1999	Du Pont Pharmaceuticals Company		
	CK	WO 89-61431	12-02-1999	Probiolrug		
	CL	WO 89/67278	12-29-1999	Pro-Biolrug		
	CM	WO 89/67279	12-29-1999	Pro-Biolrug		
	CN	WO 00/07617	02-17-2000	Novo Nordisk		
	CO	WO 00/09666	02-24-2000	U.S. Government, Secty. HHS		
	CP	WO 00/15211	03-23-2000	Akasis Pharmaceuticals, Inc.		
	CQ	WO 00/76988-A1	04-11-2000	Probiolrug		
	CR	WO 00/34241	06-15-2000	Novartis AG		
	CS	WO 00/47219	08-17-2000	Ontogeny, Inc.		
	CT	WO 00/53171	09-14-00	Molteni L. E. C. Del Fratelli Alitti Societa' Di Esercizio S.P.A.		
	CU	WO 00/57721	10-05-2000	Akasis Pharmaceuticals, Inc.		
	CV	WO 01/14318-A2	03-01-2001	Probiolrug		
	CW	WO 01/34594-A1	05-17-2001	Guilford Pharmaceuticals, Inc.		
	CX	WO 01/52825-A2	07-28-2001	Novartis AG		
	CY	WO 01/56988-A1	08-09-2001	Kirin Beer Kabaushiki Kaisha		
	CZ	WO 01/70729-A1	09-27-2001	Sanofi-Synthelabo		
	DA	WO 01/97808-A1	12-27-2001	Smithkline Beecham PLC		
	DB	WO 02/34242-A2	05-02-2002	Probiolrug AG		
	DC	WO 02/34243-A2	05-02-2002	Probiolrug AG		
	DD	WO 02/083109-A1	10-24-2002	Ferring BV		
	DE	JP 2002/338466	11-27-2002	Tanabe Seiyaku Co Ltd		
	DF	WO 03/002593-A2	01-09-2003	Probiolrug AG		
	DG	WO 03/002595-A2	01-09-2003	Probiolrug AG		
	DH	WO 03/002598-A2	01-09-2003	Probiolrug AG		
	DI	WO 03/016335-A2	02-27-2003	Probiolrug AG		
	DJ	WO 03/022871-A2	03-20-2003	Probiolrug AG		
	DK	WO 03/026652-A1	04-03-2003	Bristol-Myers Squibb Company		
	DL	WO 03/030946-A1	04-17-2003	Novartis AG		
	DM	WO 03/033524-A2	04-24-2003	Probiolrug AG		
	DN	JP 2003/128551	05-08-2003	Sankyo Co LTD		
	DO	WO 03/040174-A2	05-15-2003	Probiolrug AG		
	DP	WO 03/045228-A2	06-05-2003	Trustees of Tufts College		
	DQ	WO 03/045977-A2	06-05-2003	Trustees of Tufts College		
	DR	WO 03/048081-A2	06-12-2003	Bristol-Myers Squibb Company		
	DS	WO 03/048158-A1	06-12-2003	Bristol-Myers Squibb Company		
	DT	WO 03/057200-A2	07-17-2003	Novo Nordisk		

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 4 of 10

**Complete If Known**

Application Number	10/809,635
Filing Date	March 24, 2004
First Named Inventor	Jun Feng
Group Art Unit	1646
Examiner Name	Not Yet Assigned
Attorney Docket Number	SYR-DPP-IV-5004-U

DU	WO 03/063903-A2	08-07-2003	Probiolrug AG
DV	WO 03/072558-A1	08-04-2003	Probiolrug AG
DW	WO 03/082888-A2	10-09-2003	Probiolrug AG
DX	WO 03/092605-A2	11-13-2003	Trustees of Tufts College
DY	WO 03/099279-A1	12-04-2003	Novartis AG
DZ	WO 03/098818-A1	12-04-2003	Chiron Corporation
EA	WO 03/106416-A2	12-24-2003	Smithkline Beecham Corporation
EB	WO 2004/017889-A1	03-04-2004	Probiolrug AG
EC	JP 2004/096600-A	04-02-2004	Sankyo Co. Ltd.
ED	WO 2004/031374-A2	04-15-2004	Probiolrug AG
EE	JP 2004/123738-A	04-22-2004	Takeda Chem Ind Ltd
EF	WO 2004/037176-A2	05-08-2004	Bristol-Myers Squibb Company

**OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 2
KM	EG	ARGAUD, DORIANE et al., Metaformin decreases gluconeogenesis by enhancing the pyruvate kinase flux in isolated rat hepatocytes, European J. Biochem. 213, 1341-1348 (1993).	
	EH	ASHCROFT, STEPHEN J.H. et al., Structure-activity relationships of alloxan-like compounds derived from uric acid, Br. J. Pharmac. (1986), 89 pp. 469-472.	
	EI	BAL, GUNTHER, Dipeptidyl Peptidase IV and Prolyl Oligopeptidase: Design, Synthesis and Evaluation of Substrates and Inhibitors, (2002) Universiteit Antwerpen.	
	EJ	BARAKAT, S.E.S., Synthesis and hypoglycemic activity of some new 3-[4- [(cyclohexylamino) carbonyl] amino]sulfonylphenyl]-4(3H)-quinazolinones, Az. J. Pharm. Sci., Vol. 25, (2000), pp. 48-57.	
	EK	BARAKAT, S.E.S., Synthesis and Hypoglycemic Activity of Some New 4(3H) -Quinazolinone Analogues, Saudi Pharmaceutical Journal, Vol. 8, No.4 (2000) pp.198-204.	
	EL	BAKER, B.R. et al., Irreversible Enzyme Inhibitors. On the Mode of Pyrimidine Binding of 5-alkyl and 5-Arylpyrimidines to Dihydrofolic Reductase (1,2), Journal of Heterocyclic Chemistry Vol. 4 (1967) pp. 39-48.	
	EM	BELGODERE, ELENA et al., Synthesis of Substituted Pyrimidines, Study of the Structure and of the Tautomeric Equilibria, (1976) Chem. Abstracts, Columbus, OH Vol. 85 No. 8.	
	EN	BEZUGLYI, P.O. et al., Synthesis of arylsulfonyl hydrazide of 3-R-quinazolinone-4-carbonyl-2-acid, Pharmaceutical Journal (1979), pp. 70-71.	

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Substitute for form 1448A/PTO		<b>Complete If Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/809,835
		Filing Date	March 24, 2004
		First Named Inventor	Jun Feng
		Group Art Unit	1646
		Examiner Name	Not Yet Assigned
Sheet 5 of 10	Attorney Docket Number	SYR-DPP-IV-5004-U	

KN	EO	BHADURI, A.P. et al., Urinary Metabolite of 2-Piperazino-3 (H)-4-Quinazoline (Centiperalone), A Potent Blood Sugar Lowering Agent, Indian J. Biochem. Biophys., Vol. 12 (1975), pp. 413-414.	
	EP	BOURAS, MOHAMMED, et al., Metabolism of enterostatin in rat intestine, brain, membranes and serum: differential involvement of proline-specific peptidases, Peptides, Vol. 16, No. 3, (1995), pp. 399-405.	
	EQ	BRUN, JEAN-FREDERIC, et al., Effects of Oral Zinc Gluconate on Glucose Effectiveness and Insulin Sensitivity in Humans, Biological Trace Element Research Vol. 47 (1995), pp. 385-391.	
	ER	BUCKLEY, DI, Analysis of the Degradation of Insulintropin [GLP-1 (7-37)] in Human Plasma and Production of Degradation Resistant Analogs.	
	ES	CHATTERJEE, A.K. et al., Effect of Centiperalone in Insulin Deficient Diabetes, Indian Journal of Experimental Biology Vol. 18 (1980), pp. 1005-1008.	
	ET	CHATTERJEE, A.K. et al., Effect of Centiperalone, a New Hypoglycemic Agent on Insulin Biosynthesis & Release from Isolated Pancreatic Islets of Rat, Indian Journal of Experimental Biology Vol. 20 (1981) pp.270-272.	
	EU	COPPOLA, GARY M. et al., 1-Aminomethylisoquinoline-4-carboxylates as Novel Dipeptidylpeptidase IV Inhibitors, Bioorganic & Medicinal Chemistry Letters Vol. 10 (2000), pp. 1555-1558.	
	EV	DEACON, CAROLYN F. et al., Degradation of Glucagon-Like Peptide 1 <i>In Vitro</i> Yields an N-Terminally Truncated Peptide That is a Major Endogenous Metabolite <i>In Vivo</i> , Journal of Clinical Endocrinology and Metabolism Vol. 80, No. 3 (1995), pp. 952-957.	
	EW	DEACON, CAROLYN F. et al., Both Subcutaneously and Intravenously Administered Glucagon-Like Peptide I Are Rapidly Degraded From the NH <sub>2</sub> -Terminus in Type II Diabetic Patients and in Healthy Subjects, Diabetes, Vol. 44 (1995), pp. 1125-1131.	
	EX	DEACON, CAROLYN F. et al., Dipeptidyl peptidase IV Inhibition Influences GLP-1 Metabolism in Vivo, Regulatory Peptides Vol. 64 Issues 1-3 (1996) p.30.	
	EY	DEACON, CAROLYN F. et al., Dipeptidyl peptidase IV Inhibition Potentiates the Insulinotropic Effect of Glucagon-Like Peptide 1 in the Anesthetized Pig, Diabetes, Vol. 47 (1998), pp. 764-769.	
	EZ	DEACON, CAROLYN F. et al., Dipeptidyl peptidase IV Inhibition as an Approach to the Treatment and Prevention of Type 2 Diabetes: a Historical Perspective, Biochemical and Biophysical Research Communications 294 (2002), pp. 1-4.	
	FA	DEMUTH, HANS-ULRICH et al., Rebuttal to Deacon and Holst: "Metaformin effects on dipeptidyl peptidase IV degradation of glucagons-like peptide-1" versus "dipeptidyl peptidase inhibition as an approach to the treatment and prevention of type 2 diabetes: a historical perspective" Biochemical and Biophysical Research Communications 296 (2002) pp. 229-232.	
	FB	ENGEL, MICHAEL et al., The crystal structure of dipeptidyl peptidase IV (CD26) reveals its functional regulation and enzymatic mechanism, Proc. Nat. Acad. Sci. Early Edition (2003), pp. 1-6.	
✓	FC	FANTUS, I. GEORGE, et al., Mechanism of Action of Metformin: Insulin Receptor and Postreceptor Effects in Vitro and In Vivo, J. Clinical Endocrinology & Metabolism (1986), pp. 898-905.	

Examiner Signature	<i>Amy M</i>	Date Considered	2/27/2007
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Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/809,635
		Filing Date	March 24, 2004
		First Named Inventor	Jun Feng
		Group Art Unit	1646
		Examiner Name	Not Yet Assigned
		Attorney Docket Number	SYR-DPP-IV-5004-U
Sheet	6	of	10

KN	FD	GARRATT, PETER J. et al., A Novel Synthesis of Dihydropyrimidines, J. Chem. Soc., Chem. Commun. (1987), pp.568-569.	
	FE	GARRATT, PETER J. et al., One-Carbon Compounds as Synthetic Intermediates. The Synthesis of Dihydropyrimidines and Hydroquinazolines by Sequential Nucleophilic Addition to Diphenyl Cyanocarbonimidate With Concomitant Cyclization, J. Org. Chem. (1988), pp. 1062-1069.	
	FF	GAZIT, AVIV et al., Tyrphostins IV - Highly Potent Inhibitors of EGF Receptor Kinase. Structure-Activity Relationship Study of 4- Anilidoquinazolines, Bioorganic & Medicinal Chemistry, Vol. 4, No.8 (1996) pp. 1203-1207.	
	FG	GUERRIERI, N., et al, Vanadium Inhibition of Serine and Cysteine Proteases, Comparative Biochemistry and Physiology Part A 122 (1997), pp.331-338.	
	FH	GUPTA, C.M. et al., Drugs Acting on the Central Nervous System. Syntheses of Substituted Quinazolones and Quinazolines and Triazapino- and Triazoclonquinazolones, Division of Medicinal Chemistry, Central Drug Research Institute, Lucknow, India (1968), pp. 392-395.	
	FI	GUPTA, C.M. et al., New Potent Blood Sugar Lowering Compound, Nature, Vol. 223 (1969), p. 524.	
	FJ	GUPTA, C.M. et al., A Novel Class of Hypoglycaemic Agents: Syntheses & SAR in 2-Substituted 4(3H)-Quinazolones, 2-Substituted 4-Hydroxypolymethylene 5,6-pyrimidines & 3-Substituted 4-Oxo-pyrdo [1,2-a] pyrimidines, Indian Journal of Chemistry, Vol. 9 (1971), pp. 201-208.	
	FK	HERMECZ, ISTVAN et al., Pyrdo[1,2-a]Pyrimidines; New Chemical Entities in Medicinal Chemistry, Medicinal Research Reviews, Vol. 8, No. 2 (1988) pp.203-230.	
	FL	HINKE, SIMON A. et al, Metaformin Effects on Dipeptidylpeptidase IV Degradation of Glucagon-Like Peptide-1, Biochemical and Biophysical Research Communications, 291 (2002) pp. 1302-1308.	
	FM	HINKE, SIMON A. et al, On Combination Therapy of Diabetes With Metaformin and Dipeptidyl Peptidase IV Inhibitors, Diabetes Care, Vol. 25, No. 8 (2002) pp. 1490-1492.	
	FN	HOLZ, GEORGE G. et al, Pancreatic Beta-Cells are Rendered Glucose-Competent by the Insulintropic Hormone Glucagon-Like Peptide-1(7-37), Nature, Vol. 361 (1993), pp. 362-365.	
	FO	KHALID, NORAINI M., et al., Purification and Partial Characterization of a Prolyl-Dipeptidyl Aminopeptidase From Lactobacillus helveticus CNRZ 32, Applied and Environmental Microbiology (1990), pp. 381-388.	
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Examiner Signature		Date Considered	2/27/2007
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/809,635
		Filing Date	March 24, 2004
		First Named Inventor	Jun Feng
		Group Art Unit	1646
		Examiner Name	Not Yet Assigned
		Attorney Docket Number	SYR-DPP-IV-5004-U
Sheet	7	of	10

FN	FS	KUSAR, MIHAEL et al., Diethyl N,N-Dimethylaminomethylenemalonate in the Synthesis of Fused Heterocyclic Systems, Heterocyclic Chem. 33 (1996) pp. 1041-1046.	
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Examiner Signature	<i>Amy M</i>	Date Considered	2/27/2007
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/809,635
		Filing Date	March 24, 2004
		First Named Inventor	Jun Feng
		Group Art Unit	1646
		Examiner Name	Not Yet Assigned
Sheet 8 of 10	Attorney Docket Number	SYR-DPP-IV-5004-U	

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	GI	MUKHERJEE, Subal S. et al., Studies on the Mechanism of Centipernalone-Induced Hypoglycemia, Acta Diabet. Lat. 13, 8, (1976) pp. 8-19.	
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	GU	POLACEK, I. et al., Hypoglycemic Activity of Amine Derivatives, Arzneim.-Forsch./ Drug Res. 28 (1978), 791-83.	
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Examiner Signature		Date Considered	2/27/2007
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STATEMENT BY APPLICANT**

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Sheet

9

of

10

**Complete If Known**

Application Number	10/809,635
Filing Date	March 24, 2004
First Named Inventor	Jun Feng
Group Art Unit	1646
Examiner Name	Not Yet Assigned
Attorney Docket Number	SYR-DPP-IV-5004-U

41	GW	RAM, VISHNU JI et al., Synthesis and Antihyperglycemic Activity of Suitably Functionalized 3H-quinazolin-4-ones, <i>Bioorganic &amp; Medicinal Chemistry</i> 11 (2003), pp. 2439-2444.	
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	GY	SAXENA, A.M. et al., Mode of action of three structurally different hypoglycemic agents: A comparative study, <i>Indian Journal of Experimental Biology</i> , Vol. 34 (1996), pp. 351-355.	
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	HB	SENTEN, KRISTEL et al., Development of Potent and Selective Dipeptidyl Peptidase II Inhibitors, <i>Bioorganic &amp; Medicinal Chemistry Letters</i> 12 (2002) pp. 2825-2828.	
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✓	HK	VILLHAUER, EDWIN B. et al., 1-[[[3-Hydroxy-1-adamantyl]amino]acetyl]-2-cyano-(S)-pyrrolidine: A Potent, Selective, and Orally Bioavailable Dipeptidyl Peptidase IV Inhibitor with Antihyperglycemic Properties, <i>J. Med. Chem.</i> 46 (2003), pp. 2774-2789.	

Examiner  
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2/27/2007

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		Filing Date	March 24, 2004
		First Named Inventor	Jun Feng
		Group Art Unit	1646
		Examiner Name	Not Yet Assigned
		Attorney Docket Number	SYR-DPP-IV-5004-U
Sheet	10	of	10

X	HL	WELLS, CAROL L. et al., Role of Anaerobic Flora in the Translocation of Aerobic and Facultatively Anaerobic Intestinal Bacteria, Infection and Immunity, Vol. 55, No. 11 (1987) pp. 2888-94.	
	HM	WIEDEMAN, PAUL E. et al., Dipeptidyl peptidase IV inhibitors for the treatment of impaired glucose tolerance and type 2 diabetes, Current Opinion in Investigational Drugs, Vol. 4, No. 4 (2003), pp. 412-420.	
	HN	YASUDA, NOBUYUKI et al. Enhanced Secretion of Glucagon-Like Peptide 1 by Biguanide Compounds, Biochemical and Biophysical Research Communications 298 (2002), pp. 779-784.	
	HO	YUEN, V.G. et al., Acute and Chronic Oral Administration of Bis(maltolato)oxovanadium(IV) in Zucker Diabetic Fatty (ZDF) Rats, Diabetes Research and Clinical Practice 43 (1999), pp. 9-19.	
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✓	HQ	ZHANG, ANQI et al., Vanadate Stimulation of Insulin Release in Normal Mouse Islets, The Journal of Biological Chemistry, Vol. 268, No. 32 (1991), pp. 21649-58.	

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**INFORMATION DISCLOSURE  
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Sheet 1 of 14

**Complete If Known**

Application Number	10/809,635
Filing Date	March 24, 2004
First Named Inventor	Jun FENG
Group Art Unit	1624
Examiner Name	Kahsay Habte
Attorney Docket Number	SYR-DPP-IV-5004-U

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date/ Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	AA	US 3,980,949	6/1/1978	Ahrens, Hanns et al.	
	AB	US 4,484,978	1/22/1985	Chan, David C. K.	
	AC	US 4,935,493	6/19/1990	Bachovchin, William W. et al.	
	AD	US 5,368,882	11/22/1994	Venton, Duane L. et al.	
	AE	US 5,387,512	02/07/1995	Balan, Suresh K. et al.	
	AF	US 5,433,955	7/18/1995	Bredehorst, Reinhard et al.	
	AG	US 5,462,928	10/31/1995	Bachovchin, William W. et al.	
	AH	US 5,543,398	8/6/1998	Powers, James C. et al.	
	AI	US 5,601,986	2/11/1997	Takacs, Laszlo	
	AJ	US 5,614,379	3/25/1997	Mackellar, Warren C.	
	AK	US 5,624,894	4/29/1997	Bodor, Nicholas S.	
	AL	US 5,811,278	09/22/1998	Okamura, Hideaki et al.	
	AM	US 5,811,281	09/22/1998	Quarini, Andrea et al.	
	AN	US 5,814,480	9/29/1998	Vegton, Duane L. et al.	
	AO	US 5,885,997	3/23/1999	Lohray, Vidya Bhushan et al.	
	AP	US 5,939,560	8/17/1999	Jenkins, Paul D. et al.	
	AQ	US 5,965,532	10/12/1999	Bachovchin, William W.	
	AR	US 5,985,884	11/18/1999	Lohray, Vidya Bhushan et al.	
	AS	US 6,006,753	12/28/1999	Efendic, Suad	
	AT	US 6,011,155	1/4/2000	Vilhauer, Edwin Bernard	
	AU	US 6,090,786	7/18/2000	Augustyns, Koen Jan Ludovicus et al.	
	AV	US 6,107,317	8/22/2000	Vilhauer, Edwin Bernard	
	AW	US 6,110,849	8/29/2000	Vilhauer, Edwin Bernard	
	AX	US 6,124,305	9/26/2000	Vilhauer, Edwin Bernard	
	AY	US 6,129,911	10/10/2000	Faris, Ronald A.	
	AZ	US 2001/0018210	8/30/2001	Bachovchin, William et al.	
	BA	US 2001/0031780	10/18/2001	Kanstrup, Anders et al.	
	BB	US 2001/0047078	11/29/2001	Chang, Yie-Hwa	
	BC	US 6,172,081	1/9/2001	Damon, Robert	
	BD	US 6,184,020	2/6/2001	Blinkovsky, Alexander et al.	
	BE	US 6,201,132	3/13/2001	Jenkins, Paul D. et al.	
	BF	US 6,214,340	4/10/2001	Takauchi, Tomio et al.	
	BG	US 6,235,493	5/22/2001	Bissell, Eugene R. et al.	
	BH	US 6,251,391	6/26/2001	Wilkinson, Randall Eugene et al.	

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Considered

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet **2** of **14****Complete if Known**

Application Number	10/809,635
Filing Date	March 24, 2004
First Named Inventor	Jun FENG
Group Art Unit	1624
Examiner Name	Kahsay Habte
Attorney Docket Number	SYR-DPP-IV-5004-U

BI	US 6,261,794	7/17/2001	Chang, Yie-Hwa
BJ	US 6,265,551	7/24/2001	Duke-Cohan, Jonathan S. et al.
BK	US 6,309,868	10/30/2001	Monod, Michel
BL	US 6,310,069	10/30/2001	Lohray, Vidya Bhushan et al.
BM	US 6,325,989	12/4/2001	Duke-Cohan, Jonathan S. et al.
BN	US 2002/0006899	1/17/2002	Poepelslik, Andrew J. et al.
BO	US 2002/0019411	2/14/2002	Robl, Jeffrey A. et al.
BP	US 2002/0037828	3/28/2002	Aronson, Peter S. et al.
BQ	US 2002/0041871	4/11/2002	Budnak, Mark A.
BR	US 2002/0061839	5/23/2002	Scharpe, Simon Lodewijk et al.
BS	US 2002/0071838	6/13/2002	Demuth, Hans-Ulrich et al.
BT	US 2002/0077340	06/20/2002	Sulsky, Richard et al.
BU	US 2002/0082292	6/27/2002	Sahoo, Sourmya P. et al.
BV	US 2002/0103242	8/1/2002	Sahoo, Sourmya P. et al.
BW	US 2002/0103384	8/1/2002	Kanstrup, Anders et al.
BX	US 2002/0110580	8/15/2002	Demuth, Hans-Ulrich et al.
BY	US 2002/0115843	08/22/2002	Ol, Steve et al.
BZ	US 2002/0132979	9/18/2002	Chen, Wen-Tien
CA	US 2002/0147130	10/10/2002	Huber, Brigitte T. et al.
CB	US 2002/0147157	10/10/2002	Connor, Gregory S.
CC	US 2002/0155565	10/24/2002	Garin-Chesa, Pilar et al.
CD	US 2002/016100	02/07/2002	Okabe, Toshiaki et al.
CE	US 2002/0164759	11/7/2002	Travis, James et al.
CF	US 2002/0165164	11/7/2002	Demuth, Hans-Ulrich et al.
CG	US 2002/0183367	12/5/2002	Sulsky, Richard B. et al.
CH	US 2002/0193390	12/19/2002	Villhauer, Edwin Bernard
CI	US 2002/0198205	12/26/2002	Himmelsbach, Frank et al.
CJ	US 6,335,429	1/1/2002	Cal, Sui Xiong et al.
CK	US 6,337,069	1/8/2002	Grouzmann, Eric et al.
CL	US 6,342,611	1/29/2002	Weber, Eckard et al.
CM	US 6,355,814	3/12/2002	Wallner, Barbara P
CN	US 6,395,787	5/28/2002	Robl, Jeffrey A. et al.
CO	US 6,432,969	8/13/2002	Villhauer, Edwin Bernard
CP	US 6,447,772	9/10/2002	Houston, Devin B.
CQ	US 6,458,924	10/1/2002	Knudsen, Liselotte Bjerre et al.
CR	US 6,485,955	11/26/2002	Huber, Brigitte T. et al.
CS	US 6,485,544	12/17/2002	Hansen, Jr., Donald W. et al.
CT	US 2003/0008905	1/9/2003	Demuth, Hans-Ulrich et al.

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet **3** of **14****Complete If Known**

Application Number	10/809,635
Filing Date	March 24, 2004
First Named Inventor	Jun FENG
Group Art Unit	1624
Examiner Name	Kahsay Habte
Attorney Docket Number	SYR-DPP-IV-5004-U

CU	US 2003/0027282	2/6/2003	Huber, Brigitte T. et al.	
CV	US 2003/0040478	2/27/2003	Drucker, Daniel J. et al.	
CW	US 2003/0045484	3/6/2003	Hermeling, Ronald Norbert et al.	
CX	US 2003/0055052	3/20/2003	Peters, Stefan et al.	
CY	US 2003/0060412	3/27/2003	Prouty, Walter Francis et al.	
CZ	US 2003/0060434	3/27/2003	Nielsen, Loretta et al.	
DA	US 2003/0087935	5/8/2003	Cheng, Peter T. et al.	
DB	US 2003/0087950	5/8/2003	DeNanteau, Guillaume et al.	
DC	US 2003/0089935	5/15/2003	Fan, Tso-Hung et al.	
DD	US 2003/0092697	5/15/2003	Cheng, Peter T. et al.	
DE	US 2003/0096846	5/22/2003	Cheng, Peter T. et al.	
DF	US 2003/0096857	5/22/2003	Evans, David Michael et al.	
DG	US 2003/0100563	5/28/2003	Edmondson, Scott D. et al.	
DH	US 2003/0103968	6/5/2003	Amelsberg, Andree et al.	
DI	US 2003/0105077	6/5/2003	Kanstrup, Anders Bendtz et al.	
DJ	US 2003/0119738	6/26/2003	Demuth, Hans-Ulrich et al.	
DK	US 2003/0119738	6/26/2003	Niestroj, Andre et al.	
DL	US 2003/0125304	7/3/2003	Demuth, Hans-Ulrich et al.	
DM	US 2003/0130281	7/10/2003	Boehringer, Markus et al.	
DN	US 2003/0130306	7/10/2003	Devasthale, Pratik et al.	
DO	US 2003/0139429	7/24/2003	Cohen, David Saul et al.	
DP	US 2003/0139434	7/24/2003	Balkan, Bork et al.	
DQ	US 2003/0144206	7/31/2003	Knudsen, Lotte Bjerre et al.	
DR	US 2003/0149071	8/7/2003	Gobbi, Luca Claudio et al.	
DS	US 2003/0166662	9/4/2003	Fryburg, David Albert et al.	
DT	US 2003/0166690	9/4/2003	Ebdrup, Soren et al.	
DU	US 2003/0171358	9/11/2003	Jeppesen, Lone et al.	
DV	US 2003/0171411	9/11/2003	Kodra, Janos Tibor et al.	
DW	US 2003/0181497	9/25/2003	Chen, Ping et al.	
DX	US 2003/0186963	10/2/2003	Dorwald, Florencio Zaragoza et al.	
DY	US 2003/0187254	10/2/2003	Perry, David A. et al.	
DZ	US 2003/0191112	10/9/2003	Dorwald, Florencio Zaragoza et al.	
EA	US 2003/0195188	10/16/2003	Boehringer, Markus et al.	
EB	US 2003/0195190	10/16/2003	Peschke, Bernd et al.	
EC	US 2003/0199528	10/23/2003	Kanstrup, Anders B. et al.	
ED	US 2003/0199563	10/23/2003	Robl, Jeffrey A. et al.	
EE	US 2003/0203946	10/30/2003	Behrens, Carsten et al.	
EF	US 2003/0218382	11/20/2003	Boehringer, Markus et al.	

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14

**Complete If Known**

Application Number	10/809,635
Filing Date	March 24, 2004
First Named Inventor	Jun FENG
Group Art Unit	1624
Examiner Name	Kahsay Habte
Attorney Docket Number	SYR-DPP-IV-5004-U

EG	US 2003/0218450	11/20/2003	Evans, David Michael et al.
EH	US 2003/0220345	11/27/2003	Hamby, James Marino et al.
EI	US 2003/0225102	12/4/2003	Sankaranarayanan, Alangudi
EJ	US 2003/0232781	12/18/2003	Hinke, Simon A. et al.
EK	US 6,521,844	2/18/2003	Broqua, Pierre
EL	US 6,528,486	3/4/2003	Larsen, Bjarne Dux et al.
EM	US 6,545,170	4/8/2003	Pitzels, Barnett S et al.
EN	US 6,548,529	4/15/2003	Robl, Jeffrey A. et al.
EO	US 6,555,519	4/29/2003	Washburn, William N.
EP	US 6,555,521	4/29/2003	Hermeling, Ronald Norbert et al.
EQ	US 6,559,188	5/8/2003	Gatlin, Marjorie Regan et al.
ER	US 6,573,096	6/3/2003	Chen, Wen-Tien
ES	US 6,573,287	6/3/2003	Sulsky, Richard B. et al.
ET	US 6,588,198	7/1/2003	Brown, Nancy J.
EU	US 6,608,038	8/19/2003	Caplan, Shari L. et al.
EV	US 6,617,340	9/8/2003	Villhauer, Edwin Bernard
EW	US 6,620,821	9/16/2003	Robl, Jeffrey A.
EX	US 6,627,636	9/30/2003	Robl, Jeffrey A.
EY	US 6,645,995	11/11/2003	Kanstrup, Anders et al.
EZ	US2004/0002495	1/1/2004	Sher, Philip et al.
FA	US2004/0002609	1/1/2004	Hulin, Bernard
FB	US2004/0006062	1/8/2004	Smallheer, Joanne M. et al.
FC	US2004/0008972	1/15/2004	Ding, Charles Z. et al.
FD	US2004/0009998	1/15/2004	Dhar, T. G. Murali et al.
FE	US2004/0034014	2/19/2004	Kanstrup, Anders Bendtz et al.
FF	US2004/0053369	3/18/2004	Abbott, Catherine Anne et al.
FG	US2004/0063835	4/1/2004	Yasuda, Kosuke
FH	US2004/0072874	4/15/2004	Sato, Nagaaki et al.
FI	US2004/0072892	4/15/2004	Fukushima, Hiroshi et al.
FJ	US2004/0077845	4/22/2004	Himmelsbach, Frank et al.
FK	US2004/0082497	4/29/2004	Evans, David Michael et al.
FL	US2004/0082607	04/29/2004	Oi, Satoru et al.
FM	US2004/0087587	5/6/2004	Himmelsbach, Frank et al.
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FO	US2004/0097510	5/20/2004	Himmelsbach, Frank et al.
FP	US2004/0106655	6/3/2004	Kitajima, Hiroshi et al.
FQ	US2004/0106656	6/3/2004	Ashton, Wallace T. et al.
FR	US2004/0106802	6/3/2004	Sankaranarayanan, Alangudi et al.

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**INFORMATION DISCLOSURE  
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Sheet **5** of **14****Complete If Known**

Application Number	10/809,635
Filing Date	March 24, 2004
First Named Inventor	Jun FENG
Group Art Unit	1624
Examiner Name	Kahsay Habte
Attorney Docket Number	SYR-DPP-IV-5004-U

FS	US2004/0110817	8/10/2004	Hulin, Bernard
FT	US2004/0116328	8/17/2004	Yoshikawa, Seiji et al.
FU	US2004/0132713	7/8/2004	Hulin, Bernard et al.
FV	US2004/0138148	7/15/2004	Fushimi, Nobuhiko et al.
FW	US2004/0138214	7/15/2004	Himmelsbach, Frank et al.
FX	US2004/0138215	7/15/2004	Eckhardt, Matthias et al.
FY	US2004/0147434	7/29/2004	Ansoorge, Siegfried et al.
FZ	US2004/0152192	8/5/2004	Bachovchin, William et al.
GA	US2004/0152745	8/5/2004	Jackson, Paul et al.
GB	US2004/0166125	8/26/2004	Himmelsbach, Frank et al.
GC	US2004/0167133	8/26/2004	Edmondson, Scott D. et al.
GD	US2004/0167341	8/26/2004	Haffner, Curt Dale et al.
GE	US2004/0171104	9/2/2004	Blinkovsky, Alexander et al.
GF	US2004/0171848	9/2/2004	Haffner, Curt Dale et al.
GG	US2004/0176408	9/9/2004	Gobbi, Luca Claudio et al.
GH	US2004/0176428	9/9/2004	Edmondson, Scott D et al.
GI	US2004/0180925	9/16/2004	Matsuno, Kenji et al.
GJ	US2004/0186153	9/23/2004	Yasuda, Nobuyuki et al.
GK	US2004/0198788	10/7/2004	Gretzke, Dirk et al.
GL	US2004/0209891	10/21/2004	Broqua, Pierre et al.
GM	US2004/0229820	11/18/2004	Bachovchin, William W. et al.
GN	US2004/0229848	11/18/2004	Demuth, Hans-Ulrich et al.
GO	US2004/0236102	11/25/2004	Brockunier, Linda et al.
GP	US2004/0242566	12/2/2004	Feng, Jun et al.
GQ	US2004/0242568	12/2/2004	Feng, Jun et al.
GR	US2004/0242636	12/2/2004	Haffner, Curt Dale et al.
GS	US2004/0242898	12/2/2004	Hulin, Bernard et al.
GT	US2004/0254167	12/16/2004	Bifu, Tesfaye et al.
GU	US2004/0254226	12/16/2004	Feng, Jun et al.
GV	US2004/0259843	12/23/2004	Madar, David J. et al.
GW	US2004/0259870	12/23/2004	Feng, Jun et al.
GX	US2004/0259883	12/23/2004	Sakashita, Hiroshi et al.
GY	US2004/0259902	12/23/2004	Boehringer, Markus et al.
GZ	US2004/0259903	12/23/2004	Boehringer, Markus et al.
HA	US2004/0259919	12/23/2004	Magnin, David R. et al.
HB	US 6,673,815	1/6/2004	Devasthale, Pratik et al.
HC	US 6,673,829	1/6/2004	Dorwald, Florencio Zaragoza et al.
HD	US 6,688,337	2/3/2004	Connor, Gregory S.

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**INFORMATION DISCLOSURE  
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Sheet **6** of **14****Complete If Known**

Application Number	10/809,635
Filing Date	March 24, 2004
First Named Inventor	Jun FENG
Group Art Unit	1624
Examiner Name	Kahsay Habte
Attorney Docket Number	SYR-DPP-IV-5004-U

HE	US 6,899,871	3/2/2004	Edmondson, Scott D. et al.	
HF	US 6,706,742	3/16/2004	De Nanteuil, Guillaume et al.	
HG	US 6,710,040	3/23/2004	Hulin, Bernard et al.	
HH	US 6,716,843	4/6/2004	De Nanteuil, Guillaume et al.	
HI	US 6,727,281	4/27/2004	Gobbi, Luca Claudio et al.	
HJ	US 6,727,271	4/27/2004	Cheng, Peter T. et al.	
HK	US 6,800,850	10/5/2004	Boehringer, Markus et al.	
HL	US 6,803,357	10/12/2004	Bachovchin, William A. et al.	
HM	US 6,825,189	11/30/2004	Bachovchin, William W. et al.	
HN	US2005/0014732	1/20/2005	Guive, Eric Arthur et al.	
HO	US2005/0014946	1/20/2005	Demyth, Hans-Ulrich et al.	
HP	US2006/0020574	1/27/2005	Hajel, Norbert et al.	
HQ	US2005/0026921	2/3/2005	Eckhardt, Matthias et al.	
HR	US2005/0032804	2/10/2005	Cypes, Stephen Howard et al.	
HS	US2005/0038020	2/17/2005	Hamann, Lawrence G. et al.	
HT	US2005/0043292	2/24/2005	Parker, Janice C. et al.	
HU	US2005/0043299	2/24/2005	Evans, David M. et al.	
HV	US2005/0058635	3/17/2005	Demuth, Hans-Ulrich et al.	
HW	US 6,861,440	3/1/2005	Boehringer, Markus et al.	
HX	US 6,867,205	3/15/2005	Boehringer, Markus et al.	

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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*		Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>a</sup>
		Country Code <sup>a</sup> - Number <sup>a</sup> - Kind Code <sup>a</sup> (if known)				
	HY	DE 2361551A1	6/19/1975	BASF AG		
	HZ	DE 2500024A1	7/8/1976	BASF AG,		
	IA	EP 0505893	9/30/1992	MERCK PATENT GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG		
	IB	EP 0547514	6/23/1993	MERCK PATENT GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG		
	IC	EP 0574846	12/22/1993	MERCK PATENT GmbH		

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet **7** of **14****Complete if Known**

Application Number	10/809,635
Filing Date	March 24, 2004
First Named Inventor	Jun FENG
Group Art Unit	.1624
Examiner Name	Kahsay Habte
Attorney Docket Number	SYR-DPP-IV-5004-U

ID	EP 0657452	6/14/1995	MERCK PATENT GmbH		
IE	EP 0702013	3/20/1998	MERCK PATENT GmbH		
IF	GB 1441685A	7/7/1978	COMMONWEALTH SCIENTIFIC INDUSTRIAL RESEARCH ORGANISATION		
IG	WO 91/11457	8/8/1991	BUCKLEY, Douglas, I. Et al.		
IH	WO 95/15309	8/8/1995	FERRING B.V.		
II	WO 95/29691	11/9/1995	GEORGIA TECH RESEARCH CORPORATION		
IJ	WO 98/02667	2/1/1998	AMGEN INC.		
IK	WO 98/18763	5/7/1998	TANABE SEIYAKU CO., LTD.		
IL	WO 98/19998	5/14/1998	NOVARTIS AG		
IM	WO 98/50048	11/12/1998	TRUSTEES OF TUFTS COLLEGE		
IN	WO 98/51803	11/19/1998	NOVO NORDISK BIOTECH, INC.		
IO	WO 99/02705	1/21/1999	SOCIETE DES PRODUITS NESTLE S.A.		
IP	WO 99/17799	4/15/1999	TRUSTEES OF TUFTS COLLEGE ET AL		
IQ	WO 99/18858	4/22/1999	CYTOVIA, INC.		
IR	WO 99/28474	6/10/1999	THE GOVERNMENT OF THE UNITED STATES OF AMERICA, represented by THE SECRETARY OF HEALTH AND HUMAN SERVICES		
IS	WO 99/46272	9/16/1999	FONDATECH BENELUX N.V.		
IT	WO 99/47152	9/23/1999	SLOAN KETTERING INSTITUTE FOR CANCER RESEARCH		
IU	WO 99/62914	12/9/1999	POINT THERAPEUTICS, INC.		
IV	WO 00/10549	3/2/2000	POINT THERAPEUTICS, INC.		
IW	WO 00/20416	4/13/2000	GANTE, Helga		
IX	WO 00/40583	7/13/2000	MERCK PATENT GMBH		
IY	WO 00/43368	7/27/2000	KIRIN BEER KABUSHIKI KAISHA		
IZ	WO 00/56298	9/28/2000	FERRING BV		
JA	WO 00/56297	9/28/2000	FERRING B.V.		
JB	WO 01/16301	3/8/2001	TUFTS UNIVERSITY		

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 8 of 14

**Complete If Known**

Application Number	10/809,635
Filing Date	March 24, 2004
First Named Inventor	Jun FENG
Group Art Unit	1624
Examiner Name	Kahsay Habte
Attorney Docket Number	SYR-DPP-IV-5004-U

JC	WO 01/19868	3/22/2001	THE UNIVERSITY OF SYDNEY		
JD	WO 01/40180	6/7/2001	FERRING BV		
JE	WO 01/55105	8/2/2001	NOVO NORDISK A/S		
JF	WO 01/62266	8/30/2001	NOVO NORDISK A/S		
JG	WO 01/68603	9/20/2001	BRISTOL-MYERS SQUIBB CO.		
JH	WO 01/72290	10/4/2001	PROBIODRUG GESELLSCHAFT FÜR ARZNEIMITTELFORSCHUNG MBH		
JI	WO 01/74299	10/11/2001	THE RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK		
JJ	WO 01/79206	10/25/2001	SUMITOMO PHARMACEUTICALS COMPANY, LIMITED		
JK	WO 01/81304	11/1/2001	FERRING BV		
JL	WO 01/81337	11/1/2001	FERRING B.V.		
JM	WO 01/89569	11/29/2001	INSTITUT FÜR MEDIZINTECHNOLOGIE MAGDEBURG GMBH IMTM		
JN	WO 01/94597	12/13/2001	PROZYMEX A/S		
JO	WO 02/04610	1/17/2002	BAYER AKTIENGESELLSCHAFT		
JP	WO 02/051838	7/4/2002	KYOWA HAKKO KOGYO CO., LTD		
JQ	WO 02/053170	7/11/2002	INSTITUT FÜR MEDIZINTECHNOLOGIE MAGDEBURG GMBH (IMTM		
JR	WO 02/059301	8/1/2002	K.U. LEUVEN RESEARCH AND DEVELOPMENT		
JS	WO 02/059343	8/1/2002	VANDERBILT UNIVERSITY		
JT	WO 02/062764	8/15/2002	TAKEDA CHEMICAL INDUSTRIES, LTD.		
JU	WO 02/066627	8/29/2002	BAYER AKTIENGESELLSCHAFT		
JV	WO 02/068420	9/6/2002	BOEHRINGER INGELHEIM PHARMA KG		
JW	WO 02/076450	10/3/2002	MERCK & CO., INC.		
JX	WO 02/083128	10/24/2002	BRISTOL-MYERS SQUIBB COMPANY		
JY	WO 02/08931	1/31/2002	TEN SQUARE		
JZ	WO 02/092127	11/21/2002	BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM		
KA	WO 02/096357	12/5/2002	BRISTOL-MYERS SQUIBB COMPANY		

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Examiner  
SignatureDate  
Considered

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Substitute for form 1449A/PTO		<b>Complete If Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/809,635
		Filing Date	March 24, 2004
		First Named Inventor	Juh FENG
		Group Art Unit	1624
		Examiner Name	Kahsay Habte
Sheet 9 of 14	Attorney Docket Number	SYR-DPP-IV-5004-U	

KB	WO 02/14271	2/21/2002	WELFIDE CORPORATION
KC	WO 02/20804	3/14/2002	PROZYMEX A/S
KD	WO 02/26703	4/4/2002	PROLIFIX LIMITED
KE	WO 02/28742	4/11/2002	JOHANSSON, Thomas
KF	WO 02/30890	4/18/2002	TANABE SEIYAKU CO., LTD.
KG	WO 02/30891	4/18/2002	TANABE SEIYAKU CO., LTD.
KH	WO 02/31134	4/18/2002	FERRING BV
KI	WO 02/34900	5/2/2002	THE UNIVERSITY OF SYDNEY
KJ	WO 02/38541	5/16/2002	TAISHO PHARMACEUTICAL CO., LTD.
KK	WO 02/38742	5/16/2002	THE UNIVERSITY OF GEORGIA RESEARCH FOUNDATION, INC.
KL	WO 03/000180	1/3/2003	MERCK & CO., INC.
KM	WO 03/000250	1/3/2003	FERRING BV
KN	WO 03/002530	1/9/2003	SMITHKLINE BEECHAM CORPORATION
KO	WO 03/002531	1/9/2003	SMITHKLINE BEECHAM CORPORATION
KP	WO 03/002553	1/9/2003	SMITHKLINE BEECHAM CORPORATION
KQ	WO 03/004496	1/16/2003	NOVO NORDISK A/S
KR	WO 03/004498	1/16/2003	MERCK & CO., INC.
KS	WO 03/010197	2/6/2003	GENSET S.A.
KT	WO 03/010314	2/6/2003	GENSET S.A.
KU	WO 03/011807	2/13/2003	NOVO NORDISK A/S
KV	WO 03/011814	2/13/2003	NOVO NORDISK A/S
KW	WO 03/011834	2/13/2003	NOVO NORDISK A/S
KX	WO 03/011892	2/13/2003	THE U.S. GOVERNMENT as represented by THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES
KY	WO 03/014318	2/20/2003	GENZYME CORPORATION
KZ	WO 03/015775	2/27/2003	PROBIODRUG AG
LA	WO 03/017936	3/6/2003	YALE UNIVERSITY
LB	WO 03/024942	3/27/2003	MITSUBISHI PHARMA CORPORATION

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Examiner Signature		Date Considered	
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Substitute for form 1448A/PTO		<b>Complete If Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/809,635
		Filing Date	March 24, 2004
		First Named Inventor	Jun FENG
		Group Art Unit	1624
		Examiner Name	Kahsay Habte
		Attorney Docket Number	SYR-DPP-IV-5004-U
Sheet	10	of	14

LC	WO 03/024966	3/27/2003	NOVO NORDISK A/S		
LD	WO 03/035067	5/1/2003	FERRING B.V.		
LE	WO 03/037327	5/8/2003	F. HOFFMANN-LA-ROCHE AG		
LF	WO 03/038123	5/8/2003	NOVARTIS AG		
LG	WO 03/040114	5/15/2003	BRISTOL-MYERS SQUIBB COMPANY		
LH	WO 03/051848	6/26/2003	FERRING BV		
LI	WO 03/053330	3/7/2003	ASTRAZENECA AB		
LJ	WO 03/055881	7/10/2003	F. HOFFMANN-LA ROCHE AG		
LK	WO 03/057144	7/17/2003	GUILFORD PHARMACEUTICALS		
LL	WO 03/057668	7/17/2003	GUILFORD PHARMACEUTICALS		
LM	WO 03/055983	8/14/2003	MERCK & CO., INC.		
LN	WO 03/068748	8/21/2003	F. HOFFMANN-LA ROCHE AG		
LO	WO 03/068757	8/21/2003	F. HOFFMANN-LA ROCHE AG		
LP	WO 03/072197	9/4/2003	PFIZER PRODUCTS INC.		
LQ	WO 03/074500	9/12/2003	SANOFI-SYNTHELABO		
LR	WO 03/076393	9/18/2003	NOVARTIS AG		
LS	WO 03/077935	9/25/2003	IMTM INSTITUT FUR MEDIZINTECHNOLOGIE MAGDEBURG GMBH,		
LT	WO 03/080070	10/2/2003	NOVARTIS AG		
LU	WO 03/080633	10/2/2003	NIPPON KAYAKU KABUSHIKI KAISHA		
LV	WO 03/082817	10/9/2003	MERCK & CO., INC.		
LW	WO 03/082859	10/9/2003	NOVARTIS AG		
LX	WO 03/084940	10/16/2003	SANKARANARAYANAN, Alangudi		
LY	WO 03/101449	12/11/2003	PFIZER PRODUCTS INC.		
LZ	WO 03/101958	12/11/2003	PFIZER PRODUCTS INC.		
MA	WO 03/104207	12/18/2003	MERCK & CO., INC.		
MB	WO 03/104208	12/18/2003	MERCK & CO., INC.		
MC	WO 03/104229	12/18/2003	EISAI CO., LTD.		

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Examiner Signature		Date Considered	
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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

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of

14

**Complete If Known**

Application Number	10/809,635
Filing Date	March 24, 2004
First Named Inventor	Jun FENG
Group Art Unit	1624
Examiner Name	Kahsay Habte
Attorney Docket Number	SYR-DPP-IV-5004-U

ND	WO 04/048352	6/10/2004	FUJISAWA PHARMACEUTICAL CO., LTD.		
NE	WO 04/050022	6/17/2004	MERCK & CO., INC.		
NF	WO 04/050656	6/17/2004	EISAI CO., LTD.		
NG	WO 04/050658	6/17/2004	BOEHRINGER INGELHEIM PHARMA GMBH & CO. KG		
NH	WO 04/052850	6/24/2004	BRISTOL-MYERS SQUIBB COMPANY		
NI	WO 04/058266	7/15/2004	MERCK & CO., INC.		
NJ	WO 04/064778	8/5/2004	MERCK & CO. INC.		
NK	WO 04/067509	8/12/2004	SANWA KAGAKU KENKYUSHO CO., LTD.		
NL	WO 04/069162	8/19/2004	MERCK & CO., INC.		
NM	WO 04/071454	8/26/2004	GUILFORD PHARMACEUTICALS INC.		
NN	WO 04/075815	9/10/2004	AVENTIS PHARMA DEUTSCHLAND GMBH		
NO	WO 04/075891	9/10/2004	AVENTIS PHARMA DEUTSCHLAND GMBH		
NP	WO 04/076401	9/10/2004	AVENTIS PHARMA DEUTSCHLAND GMBH		
NQ	WO 04/076433	9/10/2004	AIC		
NR	WO 04/076434	9/10/2004	AIC		
NS	WO 04/078777	9/16/2004	BIOREXIS PHARMACEUTICAL CORPORATION		
NT	WO 04/080958	9/23/2004	MERCK & CO. INC.		
NU	WO 04/083212	9/30/2004	MERCK & CO., INC.		
NV	WO 04/085661	10/7/2004	MERCK & CO., INC.		
NW	WO 04/087053	10/14/2004	SYRRX, INC.		
NX	WO 04/087650	10/14/2004	MERCK & CO. INC.		
NY	WO 04/087880	10/14/2004	BAYER PHARMACEUTICALS CORPORATION		
NZ	WO 04/089362	10/21/2004	NOVO NORDISK A/S		
OA	WO 04/096808	11/11/2004	SUMITOMO PHARMACEUTICALS CO. LTD.		
OB	WO 04/098625	11/18/2004	PROBIODRUG AG		
OC	WO 04/099134	11/18/2004	PROSIDION LTD.		
OD	WO 04/099185	11/18/2004	FUJISAWA PHARMACEUTICAL CO. LTD.		
OE	WO 04/101514	11/25/2004	TAISHO PHARMACEUTICAL CO., LTD.		
OF	WO 04/103276	12/2/2004	MERCK & CO., INC.		
OG	WO 04/103993	12/2/2004	SYRRX, INC.		

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SignatureDate  
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Substitute for form 1449A/PTO		<b>Complete If Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/809,635
		Filing Date	March 24, 2004
		First Named Inventor	Jun FENG
		Group Art Unit	1624
		Examiner Name	Kahsay Habte
Sheet 13 of 14	Attorney Docket Number	SYR-DPP-IV-5004-U	

	OH	WO 04/110436	12/23/2004	MERCK & CO., INC.		
	OI	WO 04/111041	12/23/2004	FUJISAWA PHARMACEUTICAL CO., LTD.		
	OJ	WO 04/111051	12/23/2004	BOEHRINGER INGELHEIM INTERNATIONAL GMBH		
	OK	WO 04/112701	12/28/2004	MERCK & CO., INC.		
	OL	WO 05/000846	1/6/2005	F. HOFFMANN-LA ROCHE AG		
	OM	WO 05/003135	1/13/2005	MERCK & CO., INC.		
	ON	WO 05/011581	2/10/2005	MERCK & CO., INC.		
	OO	WO 05/012249	2/10/2005	BRISTOL-MYERS SQUIBB COMPANY		
	OP	WO 05/019168	3/3/2005	PFIZER PRODUCTS INC.		
	OQ	WO 2005/016911	2/24/2005	Symx, Inc.		

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**OTHER PRIOR ART – NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
	OR	Database Crossfire Beilstein Institut zur Foerderung der Wissenschaften, Frankfurt am Main, DE; XP002335064. Database Accession no. 1447881 & J. HETEROCYCLCHEM., Vol. 305, 1972, pages 724-730.	
	OS	Database Crossfire Beilstein Institut zur Foerderung der Wissenschaften, Frankfurt am Main, DE; XP002335065. Database Accession no. 1447134 & J.ORG.CHEM., Vol. 43, 1978, pages 4069-4074.	
	OT	Database Crossfire Beilstein Institut zur Foerderung der Wissenschaften, Frankfurt am Main, DE; XP002335066. Database Accession no. 386682 & J.CHEM.SOC., 1952, pages 4985-4990.	
	OU	Database Crossfire Beilstein Institut zur Foerderung der Wissenschaften, Frankfurt am Main, DE; XP002335067. Database Accession no. 389575 & CHEM.BER., Vol. 88, 1968, pages 106-109.	
	OV	Database Crossfire Beilstein Institut zur Foerderung der Wissenschaften, Frankfurt am Main, DE; XP002335068. Database Accession no. 472441 & YAKUGAKU ZASSHI, Vol. 88, 1968, pages 106-109.	
	OW	Database Crossfire Beilstein Institut zur Foerderung der Wissenschaften, Frankfurt am Main, DE; XP002335069. Database Accession no. 1447840 & CHEM.BER., Vol. 101, No. 8, 1968, pages 2679-2689.	
	OX	Database Crossfire Beilstein Institut zur Foerderung der Wissenschaften, Frankfurt am Main, DE; XP002335070. Database Accession no. 1448669 & CHEM.BER., Vol. 101, No. 8, 1968, pages 2679-2689.	
	OY	Database Crossfire Beilstein Institut zur Foerderung der Wissenschaften, Frankfurt am Main, DE; XP002335071. Database Accession no. 4991064, J.CHEM.SOC.PERKIN TRANS.1, 1980, pages 1370-1380.	

Examiner Signature		Date Considered	
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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete If Known</b>	
		Application Number	10/809,635
		Filing Date	March 24, 2004
		First Named Inventor	Jun FENG
		Group Art Unit	1624
		Examiner Name	Kahsay Habte
Sheet 14 of 14	Attorney Docket Number	SYR-DPP-IV-5004-U	

OZ	Database Crossfire Beilstein Institut zur Foerderung der Wissenschaften, Frankfurt am Main, DE; XP002335072. Database Accession no. 990008, J.PRAKT.CHEM., Vol. 315, 1973, pages 1166-1168.	
PA	Database Crossfire Beilstein Institut zur Foerderung der Wissenschaften, Frankfurt am Main, DE; XP002335073. Database Accession no. 6219070, J.PRAKT.CHEM., Vol. 330, No. 2, 1988, pages 323-324.	
PB	Database Crossfire Beilstein Institut zur Foerderung der Wissenschaften, Frankfurt am Main, DE; XP002335074. Database Accession no. 392446, J.HETEROCYCLCHEM., Vol. 8, 1971, pages 367-371.	
PC	Database Crossfire Beilstein Institut zur Foerderung der Wissenschaften, Frankfurt am Main, DE; XP002335075. Database Accession no. 4742608, J. PRAKT.CHEM., Vol. 333, No. 1, 1991, pages 149-151.	
PD	Database Crossfire Beilstein Institut zur Foerderung der Wissenschaften, Frankfurt am Main, DE; XP002335076. Database Accession no. 490809, & ANGEW.CHEM., Vol. 84, 1972, page 1185.	
PE	Database Crossfire Beilstein Institut zur Foerderung der Wissenschaften, Frankfurt am Main, DE; XP002335063. Database Accession no. 1525341 & J. HETEROCYCLCHEM., Vol. 12, 1975, pages 683-687.	
PF	GUPTA, A. et al.: "Fluorine containing Biologically Active Agents: Synthesis of some new Pyrimidine Derivatives" J.IND. CHEM.SOC., Vol. 71 1994, pages 635-638, XP000889664 compound 1	
PG	Kesarwani, A. P. et al.: Solid-phase synthesis of quinazolin-(3H)-ones with three-point diversity, Tetrahedron Letters, Vol. 43, (2002) pp. 5579-5581.	
PH	Rauchman, B.S. et al. "2,4-Diamino-5-benzylpyrimidines and Analogues as antibacterial Agents", Journal of Med. Chem., Vol. 23, 1980, pages 384-391, XP002335048 Scheme II	

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Examiner Signature		Date Considered	
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